



## TECHNICAL SERVICE BULLETIN

### 6.7L - Illuminated MIL With DTCs P1291, P1292, P0191 And/Or P06A6 - Engine Harness Chafe

19-2231

24 July 2019

**Model:**

|                                       |
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| <b>Ford</b><br>2017-2019 F-Super Duty |
|---------------------------------------|

**Issue:** Some 2017-2019 F-Super Duty vehicles equipped with a 6.7L engine may exhibit an illuminated malfunction indicator lamp (MIL) with diagnostic trouble codes (DTCs) P1291, P1292, P0191 and/or P06A6. This may be due to an engine harness chafe on the powertrain control module (PCM) bracket.

**Action:** Before completing Powertrain Control/Emissions Diagnosis (PC/ED) Manual pinpoint tests, follow the Service Procedure steps on vehicles that meet all of the following criteria:

- 2017-2019 F-Super Duty
- 6.7L diesel engine
- Illuminated MIL with DTCs P1291, P1292 P0191 and/or P06A6

**Warranty Status:** Information Only.

**Repair/Claim Coding**

|                 |    |
|-----------------|----|
| Causal Part:    | IN |
| Condition Code: | 30 |

**Service Procedure**

1. Inspect if the engine harness pushpin is in place on the PCM bracket.
  - (1). PCM, PCM bracket and harness installed. (Figure 1)
  - (2). PCM and the harness removed, PCM bracket shown. (Figure 2)
    - Note: If the harness pushpin is not in place on the PCM bracket, a harness chafe may be present near where the pushpin is located on the engine harness resulting in these DTCs.
  - (3). Example of chafe location on the engine harness near the PCM pushpin. The chafe occurs due to rubbing on the PCM bracket. (Figure 3)
  - (4). Example of chafe location with the tape removed. (Figure 4)

Figure 1

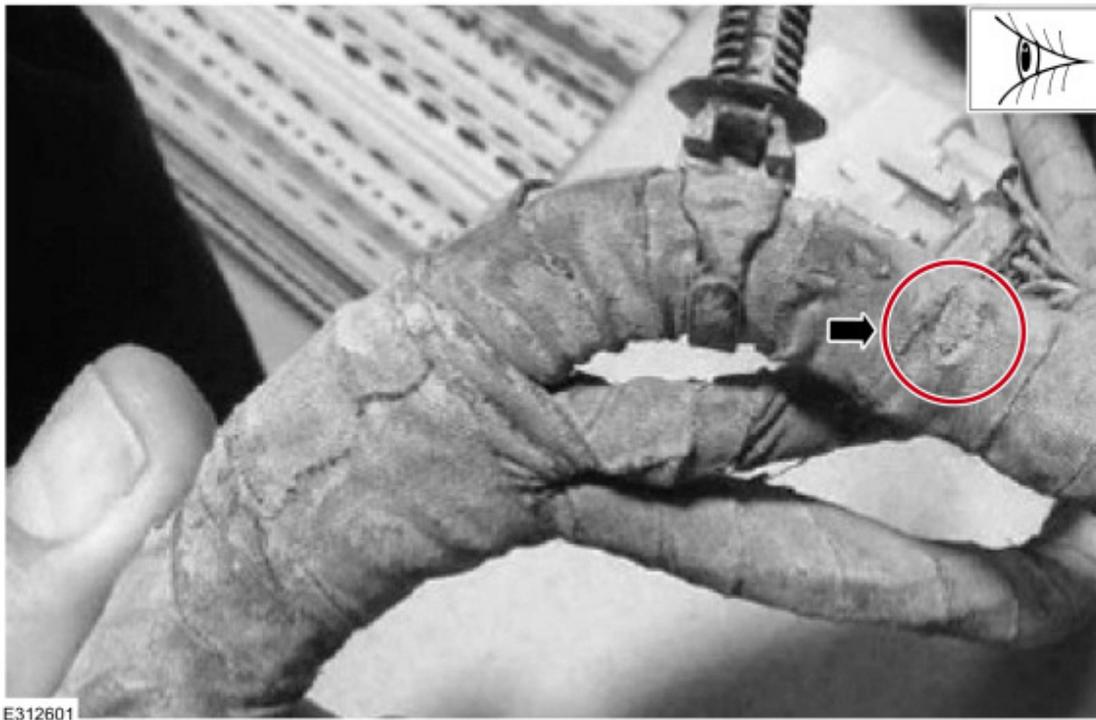


| Item | Description                     |
|------|---------------------------------|
| 1    | PCM connectors                  |
| 2    | Pushpin location on PCM bracket |

Figure 2 - Pushpin location on the PCM bracket



Figure 3 - Small chafe in the harness tape



E312601

Figure 4 - Small chafe in the harness circuits



E312602

NOTE: The information in Technical Service Bulletins is intended for use by trained, professional technicians with the knowledge, tools, and equipment to do the job properly and safely. It informs these technicians of conditions that may occur on some vehicles, or provides information that could assist in proper vehicle service. The procedures should not be performed by "do-it-yourselfers". Do not assume that a condition described affects your car or truck. Contact a Ford or Lincoln dealership to determine whether the Bulletin applies to your vehicle. Warranty Policy and Extended Service Plan documentation determine Warranty and/or Extended Service Plan coverage unless stated otherwise in the TSB article. The information in this Technical Service Bulletin (TSB) was current at the time of printing. Ford Motor Company reserves the right to supersede this information with updates. The most recent information is available through Ford Motor Company's on-line technical resources.